

ABSTRACT

An object is to provide a vibration suppressing cutting tool which is inexpensive and can damp chattering extremely effectively, and which is simple in structure and is applicable to a wide variety of machining diameters and cutting conditions.

The shank 2 of the holder 1 is formed with a pocket 4. In the pocket 4, a vibration suppressing piece 5 is received so as to be movable relative to the holder 1 and not protrudable from the pocket 4. Under kinetic energy from the holder during cutting, the vibration suppressing piece 5 alternately knocks against a pair of opposed inner wall surfaces 4a and 4b of the pocket along its surface, along a plurality of lines or on a plurality of points when the holder vibrates during cutting, thereby damping vibrations of the holder.